

QUA•RAE

HERE IS NEWS OF RADIO ASSOCIATION OF ERIE, INC.

VOL. III NO. 7

JULY 1972

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Next Issue Deadline - June 27

ERIE'S FINEST AMATEUR RADIO NEWSBULLETIN.

Radio Association of Erie, Inc.
P.O. Box 844
Erie, Pennsylvania. 16512

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CHUCK BLILEY, K3NAU
965 ARLINGTON ROAD
ERIE, PA. 16509

BUSINESS MEETING MINUTES June 1, 1972

The meeting was called to order at 8:05 by secretary WA3HSR (K3QAY arrived later)

Officers present: K3QAY, W3ZLO, WA3HSR, and WA3EAY.

Directors present: WA3MAU, WA3KAI, W3SN, K3VLP, K3UPC, and WA3HDK.

The minutes of the May meeting were approved as read.

The balance in the treasury was \$341.86.

CORRESPONDENCE:

1. Annual reports of ARRL for 1971
2. Membership dues for K4MY
3. \$10 donation to the repeater from James Acker.
4. Repeater Bulletin Magazine
5. BARRA Newsletter.

COMMITTEE REPORTS

QUA-RAE - WA3HDK reported that due to late article submission, the June issue would be later than usual. Bob indicated that he plans to keep regular monthly issues through the summer. K3WTZ advised of the possibility of his acquiring an adresograph for club use.

CD - W3KPM advised that the club insurance policy was not yet in the safety deposit box and that he was waiting to clip the coupons later this month. Tom advised that a work party be set up to ready the truck and the 10 KW for Field Day. Tom reported that he had obtained several FM receivers and transmitters but that distribution plans were incomplete.

BOARD OF DIRECTORS - K3UPC reported that a meeting set for June 9 was to review the bylaw changes submitted last year for membership approval.

ACTIVITIES - W3ZLO reported that the June activities were: Field Day, June 24, 25; and Transmitter Hunt, June 18.

FIELD DAY - On a motion by WA3HDK that "K3NAU be authorized to purchase gasoline at the best price possible and be given \$25 for working capital." This was carried. Chuck reported that a Field Day meeting would be held Sunday, June 11 at 8:00 p.m. at the FD site.

AUCTION - WA3HDK recommended that all outstanding payments be made.

REPEATER - K3WTZ reported that with the antenna outside, coverage was greatly improved. K3QHO reported that 47 fire extinguishers had been sold with \$67.21 going to the repeater treasury. It was also made known that a landscaping party was needed at the receiver site, and members were reminded of the meeting on June 8.

OLD BUSINESS - The secretary was instructed to write letters of thanks to Victor Green, Vince Tesore and Henry Hudson for their help in giving the May activities meeting.

NEW BUSINESS - WA3HSR gave a mobile report on the Comm Truck and said he would report later on letters being sent for antenna discounts.

The meeting adjourned at 9:30 p.m. 18 Members present.

Respectfully submitted,
(signed) Michael Hall WA3HSR

PREZ SEZ

Along with all the excitement, Field Day has come and gone. How many calls did you log for W3GW? While our field day took the back seat to the real emergency, there were dedicated people out there running up the score for W3GW. If you were not one of them, you missed out on all the fun, and work, that makes a successful day such as this. Ask any of the fellows who participated and they will tell you what you missed and that you were missed. There are never enough OM's around to man all the bands and make all the contacts. We could have logged many more calls if we could only get more of our members out to help us. Thanks to all who participated and to FD Chairman, and his committee for the job they did for us this year.

There was considerable discussion at the last business meeting concerning the antenna situation on the Comm Truck. Our Mobile Committee suggested that we purchase an all band whip such as the

Powell Brown, K3QAY Hustler or the Swan and that we mount one of the 2.5 KW alternators on the bumper. I agree with their recommendations. It would certainly conserve time during an emergency to snap-up a whip rather than running coax and wire around to be able to transmit. Give the group your support and recommendations to improve the Comm Truck and its equipment. They can use your help on these projects.

There is not too much repeater news this month. Some bugs are still being worked out and the parts for the power amplifier are now on hand. We will start cutting metal about June 18 and Chuck Smith should have wiring completed before the end of July.

My vacation to the west coast will be in July so we hope to see you again in August. Have a safe vacation and take that mobile rig along for company. 73

Brownie, K3QAY

XMITR HUNTS

Don't forget the transmitter hunt at 6:30 the third Sunday of each month. The activity has dwindled to only 10M activity because nobody came out looking for the 6M hidden rig. Remember, no one is going to put extra effort into activities for long if no one participates. If you want good activities get out there and participate. Don't be the cause of your club becoming "activities bankrupt."

LAKE SHORE ARC FD

The rather soggy Lake Shore ARC have reportedly dried out after Field Day activities. They had about 400 contacts on 40M, 360 on 80M, and 100 on 20M. They had two rigs on the air with the following operators: K3AER, K3AFU, K3IRI, WN3SQI, W3ALD, WA3EZN. The club used the call, W3ALD. Thanks to Myron for reporting this tidbit.

RAE MEMBERSHIP APPLICATION

Call sign _____ Dues \$1.50 per calendar year

Name _____

Address _____

City _____ State _____ Zip _____

Phone () _____

ARRL MEMBER? ☐ Yes ☐ No

'Doc' Cook

W3VHP

is our
HAM-OF-THE-MONTH



Photo and text by
Charles A. Bliley, K3NAU

"QRZ. This is W3 VERY HIGH POWER, W3VHP, in Erie, Pennsylvania." Sound familiar? Well, this is just what you may hear almost any afternoon on twenty or eighty meters--the two bands that our Ham-of-the-Month, 'Doc' Cook, W3VHP, most often frequents.

As in so many cases, Doc got interested in amateur radio through a friend, who in this case was the late Wendell King, W3AU. Wendell took Doc to the code and theory classes being held by Jimmy Waldermarsen before WWII at the Bliley Electric Company during the noon hour. Doc used a paper tape code practice machine in his office any time he could squeeze it in. That even attracted the attention of some of his patients and Doc got Frank Ames, W3WBM, hooked in amateur radio in this way.

Amateur equipment would always be destined to be a part of Doc's office equipment. Even recently it still aroused the curiosity of some of his patients, pleasing those who were already hams and intriguing those who were not. I guess he was always a sort of pace setter. Today we have piped-in music; but Doc has always had his own kind of music--at least to his ears.

After forty-nine years as a specialist in making dentures, Doc still sets a fast pace. In semi-retirement, at the age of 75, he is taking on no new patients, but still seeing many of his old ones. Doc now shares his office with a new dentist, Dr. McCoy. Planning to put his name back in the yellow pages after Dr. McCoy opens his own office, Doc says, "at my age, if I left my name out of the yellow pages, people would just assume I died and I would never see them again!"

Doc is not only dedicated to his patients, but also to many others. In addition to his many years of operating a ham station, he has been active on such nets as The Handicappers, The Eyebank, The Marine Corps Service Net, and others. He has handled hundreds of phone patches.

Continued on page 5

HAM-OF-THE-MONTH (continued)

Having been the treasurer of the RAF in 1949, and president of the club in 1950, Doc is familiar to many of the members. Many have been not only his good friend, but also patients over the years. Some time in the late fifties Doc also served on the Board of Directors.

I suppose Doc is known to many as the Quad King of Erie. He tried to keep up a quad for many years, with disaster striking all too often. Today he has a TA-33 beam which is a bit more rugged, and allows him to sleep better at night. In keeping with his call-sign phonetics, Very High Power, Doc pushes his NC-200 transceiver into a Henry 2-K linear amplifier to maintain that really big signal you always hear from him.

If you hear him on, give him a call and say hello. Or stop by and offer your congratulations on being selected as our Ham-of-the-Month.

RADIO VS SUN

The solar flare is the most catastrophic event that we are able to observe on the sun. Even though these flares effect the entire Solar System, they are extremely hard to see. Flares visible in white light occur on the average only once in each 11 year cycle. Clearly a new way to observe these flares had to be developed. Hale's spectrohelioscope lets us observe certain wavelengths. It has been found that the H-alpha (Hydrogen alpha) wavelength is best for observing flares. These flares would be transparent at other wavelengths. In optically viewing the development of a flare one would see a rapid brightening of H-alpha on the disk of the sun. This brightening is caused by an increase in temperature or density and possibly both. It has also been observed that these flares may occur at or above the surface. The most important requirement of a flare is that there be a rapid brightening of H-alpha. We should note here that fac-

ulae often appear very bright and may even be as bright as flares, but there is no change in brightness in these. If one is looking for rapid changes in light, the problems with observing flares on the limb are self evident. Some of the observable nonoptical effects of flares are a great change in total emission from the sun in the shorter wavelengths, changes in the ionosphere by X-rays and radio bursts occurring at many frequencies. These terrestrial effects will be discussed later in detail. There are several types of flares classified by their different appearance. A brief description of some of them follows:

Explosive Flares - Appear to explode outward from a small region. It is seen as an irregular area of rapid brightening on the disk and appears as a spray on the limb. When observed on the limb, a bright ball may rise from the surface and then explode.

Sunspot Flash - A bright fast ejection of material moving outward from the center of a sunspot. It may shoot out from an indentation in the umbrs or from a luminous light bridge extending across it.

Surge Flare - Usually Brightens in a small region. These seldom propagate across the disk or grow into large sizes. Identical surge flares may recur in the same region often, with the surge coming from the center of the flare.

In Situ Flares - often very bright and short-lived in place. Not large but produces nonoptical effects without any apparent motions. (to be continued)

STRAYS

W3PJD - Jim has been working off and on, he says, installing his 5-element Telrex 10-15-20-meter beam. GUD DXing, Jim.

WA3KAZ - Paul has not been too active due to illness of his business partner. Best wishes for a speedy recovery.

DOB - BET CERAMICS

263 West 26 Street

Erie, PA 16502

Phone: 529-7147

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S.O.S. - EMERGENCY - QRR

It was late afternoon, Wednesday, June 21, 1972. Field Day was in the minds of Erie hams; their chance to test themselves for emergency communications. But a storm called Agnes was preparing to give hams throughout the eastern seaboard more than their share of emergency operating in the next few days.

The call came in around 5 p.m. that a dam had burst near Wellsville, NY and that the town was being evacuated. Heavy rains throughout Pennsylvania and New York had sent streams rampaging and the Civil defense was put on an emergency alert. Upon receiving the news from acting CD Director, Tom Schawb, W3KPM, Chuck, W3ZLO, notified the county EC, WA3HSR. It was decided to activate the EOC for the western Pennsylvania CD net on 75 meters. Once at the EOC, it became apparent that Wellsville wasn't the only town affected. Hornell, Corning, Olean, Bath and Belmont, NY were all being evacuated and nearly a foot of rain had fallen in central Pennsylvania. Severe flooding was expected as the headwaters spilled their banks. The EOC was secured that night with everyone feeling apprehensive of the hours to come.

The worst that could happen, did happen. Agnes had turned inland and stalled over central Pennsylvania. Heavy rains continued to fall. Rapidly rising rivers and weakened dams were being reported throughout Thursday. W3ZLO monitored ECARS all day and reported on happenings that evening. AD3HDK kept an almost continual watch on the MARS emergency frequency. Record flooding had occurred in many sections of Virginia, New York and Pennsylvania; but the worst was

still to come! Agnes was drifting westward and the rains continued. A local net was established using 2 FM. Bob, AD3HDK, monitored the MARS net on 75M; Chuck, W3ZLO, kept tabs on the state CD net on 75M and Mike, WA3HSR, listened intently to ECARS on 40M.

By Friday, it was apparent that we had a full-fledged emergency on our hands. The rains continued and the rivers rose with record crests predicted everywhere. Williamsport, Elmira, Wilkesbarre and Harrisburg braced for the worst flooding in history as evacuations were speeded-up along streams and rivers. Friday night brought the floods and a state of emergency was declared in Pennsylvania. Field Day plans were taking a lower priority now and another night of monitoring was in store. Rain kept falling.

By Saturday morning many of the cities along rivers were under water and isolated. Up to twenty feet of water swirled through Wilkesbarre and up to twenty-three feet in Harrisburg. All frequencies were hopping with emergency traffic and the local hams kept monitoring. This was the real thing! Around one o'clock Saturday afternoon, an official request from the Governor's office asked all hams to stay off the air to eliminate interference with emergency communications. Much of 75 and 40 meters was declared for emergency use only by the FCC. This all but eliminated Field Day operations for W3GV.

All day the local hams monitored—keeping each other informed of new developments on 2 FM. WA3HDK's 2 FM rig lost its audio, so a 2 FM/6 SSB link evolved with
Continued on page 7

Emergency (continued)

Bob transmitting on six but listening on two. Relays of badly needed medical and other supplies were given to the Red Cross and Civil Defense. One such instance was a plea for the drugs, "Valium and Otic Solution" for the Wilkesbarre Red Cross. WA3HSR relayed this over 2FM W3ZLO put in into 75 meters while AD3HDK plugged it into the MARS System. Within a few minutes, WA3HSR was given the info that the supplies would be flown from Walter Reed in Washington. Needless to say, this made the boys in Wilkesbarre happy. The supplies did get there, held up somewhat by Harrisburg red tape. This is just one instance in which the Erie hams played a major role in securing emergency supplies for the stricken areas. The local net remained active into the night.

Admist the calls of "CQ FD" on the emergency frequencies, more monitoring was called for on Sunday, but the rains had slackened (except in Erie) and conditions were improving in eastern and central Pennsylvania. Later Sunday evening a dam was reported breaking up near Auburn, new York and evacuation was beginning. Bob, AD3HDK needed another operator at his QTH. With WA3HSR working his HW-100 into WA3ISN's Inverted Vee, AD3HDK took much health and welfare traffic from MARS while Mike plugged it into 75 and W3ZLO into 40.

Monitoring was also set up at the Red Cross, but it appeared now that the worst was over. A good night's sleep was in store tonight (4-5 hours).

Monday dawned sunny with the remnants of Agnes moving into New England. Conditions in the flood-ravaged areas would remain critical for weeks, but the bulk of emergency and priority traffic had been handled and quite efficiently, too. Well over 100 pieces of emergency and priority traffic was handled over the local network along with many routine health and welfare messages.

The local hams had come through in this emergency and had gained both experience and a sense of self-satisfaction in

knowing that they had helped fulfill one of amateur radio's purposes—to serve the public. It is hoped that the actions of these hams, all RAE members, will serve as an example to all local hams in preparing for and serving in emergencies. Even though Agnes has vanished, her bitter memories remain. But one thing is certain, hams are ready for emergencies, and willing to give tirelessly of themselves.

Mike Hall, WA3HSR

RAE HELPS WITH FLOOD COMMUNICATIONS

Most hams have never enjoyed the pleasure of operating a Signal One CX7A, let alone attempting repairs on one and recently yours truly was delegated the job by W3AQY to repair the audio section of his rig.

For the past three weeks both Mac and I have awaited the arrival of a necessary part from California to repair the rig and on the night it arrived the desk was cleared off, the rig was removed from it's case and repairs were begun.

This rig was beautiful! All the boards could be removed and repaired without removing the wiring and the repairs were made easily. The rig was put back together and fired up on ECARS. Suddenly we realized that a real emergency was at hand. Wellsville, New York was being threatened by high water and other communities around that area were being evacuated.

The rig came off the desk faster than it went on—bearing in mind it's monetary value—and the Swan was fired up on ECARS to assist the stations in the threatened areas. Net control was called (as he was ready to turn it over to anybody who wanted it) and W3ZLO became net control.

While attempting to contain the bedlam on ECARS, we grabbed the twisted pair and, between calls got a few other hams

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RAE Helps (continued)

in the area on the air. Somehow we managed to notify the local Red Cross of the problem in New York.

In the confusion, a supper was downed and other important contacts were made with local officials. Later in the evening, the small crew that was assembled moved to the Wagner Road EOC where the high power Invader 2000 could be used.

Later in the evening when the skip lengthened, our efforts were worthless into New York, but we still stood by on 75 phone to assist if we were needed. All the next day from the home QTH, assistance was rendered to too many stations to remember. Still no sign of let up.

Somehow the thoughts of returning to the CX7A and my new hobby of archery were forgotten as the day wore on and the traffic list hit the 100 mark. Eyes started to tear with the dense cloud of cigarette smoke getting thicker by the minute.

The reports from New York of the rising river and continuing rain led to the spine-chilling thought of the Kinzua Dam not holding and of the rivers and streams below. At this time this was just a thought, but around 3:30 that afternoon, it became a reality and the Pennsylvania CD-RACES net was activated.

Operation on the New York assistance was abandoned for the moment and operations at W3ZLO were concentrated on the western area RACES frequency. River and evacuation information was passed to and from CD officials all over the state. The water was rising and small dams were collapsing under the pressure of water backed up behind them. Rivers and streams were spilling over their banks.

Agnes had not died! She was alive and violently dumping water at a fantastic rate right in the middle of the area that had just received the onrush of water from the broken dams on the upper watershed. Major flooding was everywhere

Calls for urgent help were heard on the frequencies for manpower, communications, planes, boats and every conceivable piece of emergency equipment many times as the flood waters continued to rise around the Wilkesbarre, Scranton, and Harrisburg areas. Many times stations signed off the air to evacuate their post because of the rising water. And many times these same stations returned operating from another location. Hams like these kept the disaster areas in communications with the rest of the world.

Then the phone began to ring . . . and on the other end were sobbing voices wanting to know about relatives and friends in the stricken area. Their inquiries sometimes could not be answered for days because there was no contact into that area.

Thanks to Doc, W3YWL; Bob, WA3HDK; Mike, WA3HSR; Dick, W3PIX; Chuck, K3NAU; the announcers at WMDI; all the crew on the repeater and the others—WA3FFD, WA3MKT, K3VLP, WA3MAU, WA3KAI and W3STK who either assisted or stood by and helped in some small way to keep things going. And a big thanks to W3GHT, W3PJD, and K3ZGG who lead us on the right track of information needed in the net many times.

The many hours spent by the stations in the area that were on the air were often tiring, but they were all worth it if only one life was saved as a result. We may never know who it was that helped but the confirmation that medical supplies were received or that the choppers arrived sure gives one a warm feeling in his heart and makes one want to go on to help some more.

Sure, there were some laughs; some poor operating procedures; some tense moments; but the sound of a thank you from a shakey, tear-choked voice on the other end of the phone when you tell them that their inquiry was received and that everybody was safe makes amateur radio something very special.

As for the CX7A—it is still not repaired as the traffic list is still mounting. And there are still two TV sets on the

Continued on page 9

RAE HELPS (continued)

bench that had to be delayed along with that archery practice and, oh yes, Field Day.

Finally, I would like to thank W3KPM, W3LKJ and K3PCI for standing by on 3990.5 during the time we were not available and for the fine leadership from Tom, W3KPM, whose phone was still quite warm on Sunday afternoon. Thanks fellows. If it happens again (and I hope it doesn't) W3ZIO will be there again to help out.

Chuck Smith, W3ZIO

LETTERS

from our readers . . .

Dear Bob,

Been very busy here trying to get new place going. Friday someone "stole" our house. It was still on wheels and apparently the factory picked up the unit for some reason unknown to us at this time. Will know more next time we talk. Hopefully, tomorrow we may get info. Don't know at this point just what this will do to our sked!

Hope to do a bit better next month. I don't think I got my QUA-RAE this month.
C U L es 73s. /s/ de Bernie

You should have taken the key out of the ignition and locked the doors. hi-hi. Sorry to hear of your problem. On the business of not getting your newsletter, you evidently got caught up in the move. The post office will not forward third class mail (e.g. QUA-RAE). Will get out back issue for you. —Ed.

MORE STRAYS

WARA - Warren Amateur Radio Association says that they look forward to some 4,500 plus to their annual WARREN HAMFEST. August 20 at Yankee Lake.

W3PJD - Jim has been working 2M FM from his "little Pitts Special airplane.

WA3KAZ - Paul has a new Mini Products Hybrid Quad Mini Beam at 41 feet. Also a new 40-80 dipole and reports great improvement in getting out.

W3YWL - Doc has returned from his vacation. Says his new travel trailer which sleeps six really lugs down on the hills.

K3FQK - Ev has recently returned from Florida where he spends his winters

WA2BCA - Rich is the owner of a new Mini Beam which will soon get him on 20-through 6. He has dipoles on lower bands.

WA3HCR - Jerry is getting set up for RTTY.

WA3EZR - Bernie is moving into a new QTH. New address will be R. D. 3, Ackerman Lane, North East, PA 16428.

SSB

..... Sale, Swap, Buy
FOR SALE: Swan 350C with 117XC AC supply and speaker, and 18AVQ Vertical Antenna. \$295. Will not Separate. Don Derby, W3ARO, 115 Glen Street, Cambridge Springs Zip 16403. Phone (814) 398-4571 from 12 noon til 2 p.m. weekdays.

FOR SALE: Mosley TA-33 Jr. \$40. W3AID Phone (814) 774-3096.

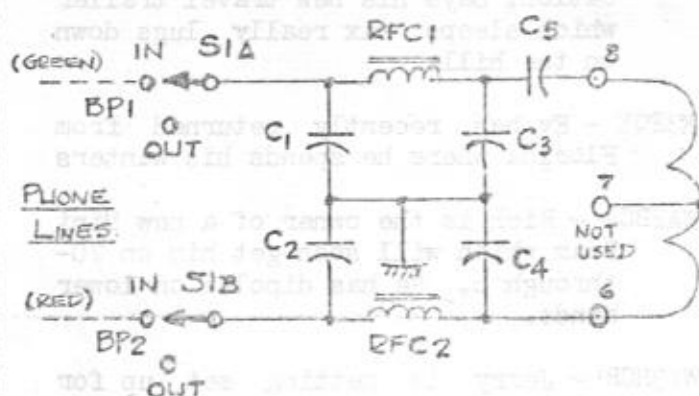
WANTED: Novice Transmitter. WN3TBU, John Haag, Sr., 418 California Drive, Erie, PA 16505. Phone 454-8834.

WANTED: Help with the QUA-RAE. If you can spare any time at all, please call 725-9226. Typists most desperately needed. Lots of work—little praise.

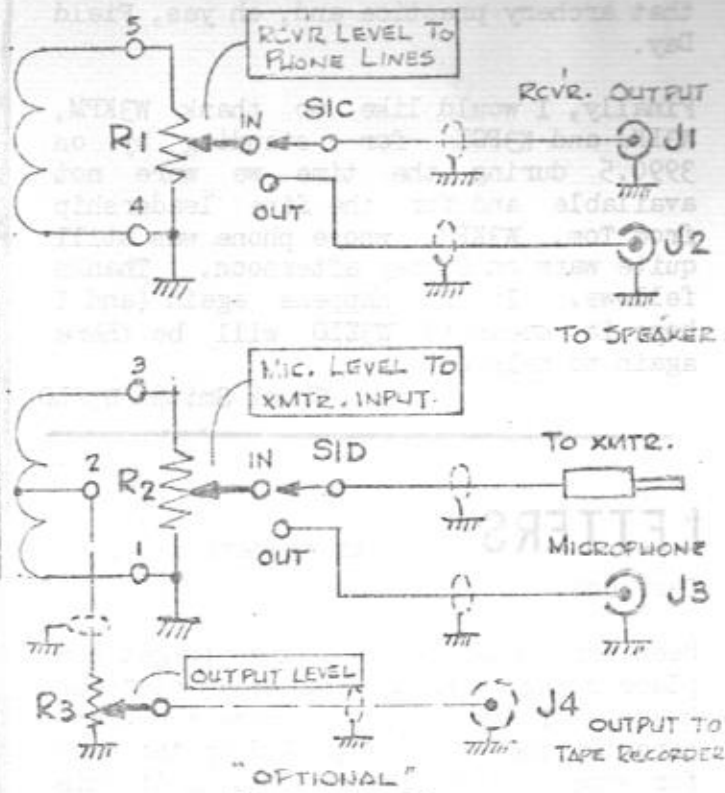
PHONE PATCH

By WA3HDK

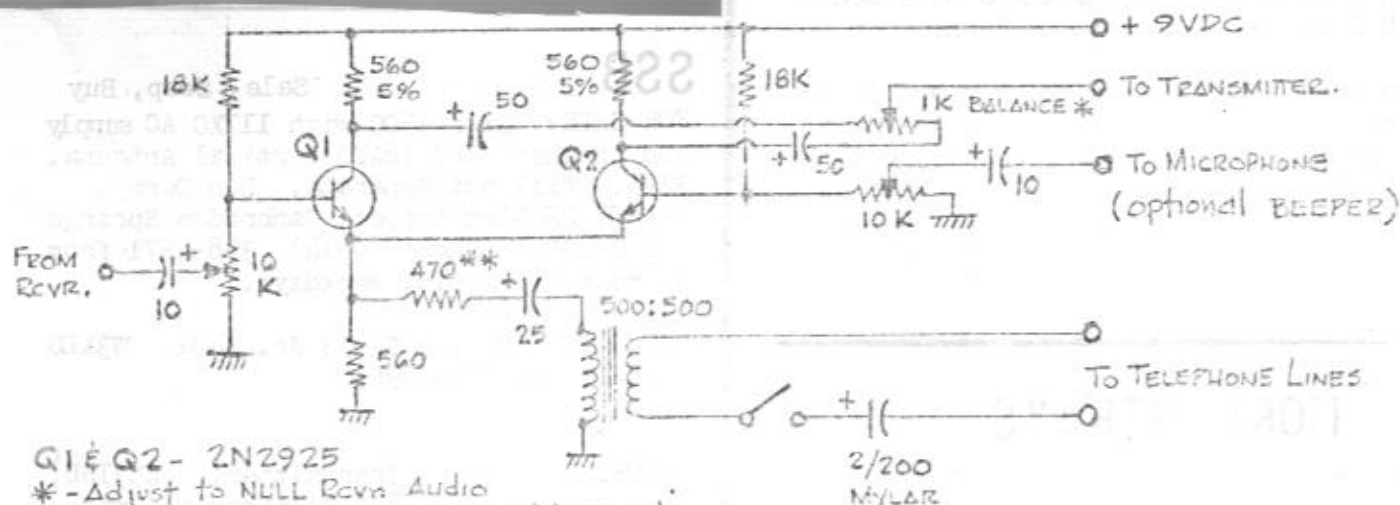
(Shown in patch position)



- S1 - 4PDT Rotary Sw.
 J1-J4 To Frt Equip.
 R1 - 1K Audio Taper
 R2 - 10K Audio Taper
 BP1 & 2 - Binding Posts
 T1 - RM52 Transformer
 C1-C4 .005 Disc/400V
 C5 - 1uf Paper or oil/400V



..... from DB Magazine Jan. 1969



Q1 & Q2 - 2N2925

* - Adjust to NULL Rcvr Audio

** - Not in orig. circuit, but should be used.

NOTE: This circuit was designed for Broadcast Service and is just as serviceable in the Amateur Service.

The transistors are in a differential amplifier circuit. Audio from the receiver cancels across the 1K balance control and does not drive the transmitter, but it does appear at Q1 emitter and therefore drives phone line. The same with the optional beeper. The phone line drives Q1 & Q2 in phase and therefore appears at the transmitter audio terminal.

Rev. 10/74

ABOUT THE TECH PRINT

In general, the phone patch is not too useful in emergency work. It takes just too much time and effort to be useful when conditions are hectic. But . . . occasionally it is an important emergency tool. With that in mind we present two phone patch circuits this month. The first one I designed largely to fit my own needs from a piece of military surplus gear. Several military remotes use this same transformer and the easiest to obtain—and the cheapest, too—is the RM-52 available from Fair Radio Sales and others. Cost runs \$2-3. The unit contains the transformer, a sturdy, small cabinet, and miscellaneous "junk." You can use the isolation capacitors, too, if you trust 20-30 year old capacitors. I will be glad to help you with yours if you have trouble.

The second patch, using transistors, is a hybrid unit which can be used with VOX. I have not used this unit, although I intend to build it just to see how it works. There really should be no problems if you remember to use adequate shielding to keep the RF out of the thing. Lafayette has miniature xformers with 500:500 ohm windings. Would be interested in hearing from you who build the unit. (diagram courtesy of W3IRS)

No instructions for hooking to the phone lines is included in this article because it should run into a telephone company "Voice Coupler." This is a device which the phone company installs in your home. It has a jack into which you plug "foreign" equipment.

ANNUAL MEETING SEPTEMBER 19

Unless a bylaws change goes into effect, THE ANNUAL MEETING OF THE RADIO ASSOCIATION OF ERIE will be held at the Red Cross building at 8:00 p.m. on September 19, 1972. All members are urged to attend this important meeting and to vote for two directors of the Club. The outgoing Directors are John Squire, K3UPC and Robert Bair, WA3HDK.

FREE from RADIO SHACK

The other day, I had the pleasure of talking with Joe Mulach, manager of the new Radio Shack store. Joe is an Ohioan, likes sports, and seems to be an all-around nice guy. He would like to say hello to all you guys and has given us enough personal cards to include one in every issue of this month's QUA-RAE. It is good for one free battery per month, so put it up somewhere so that you can find it when you want it. Joe says that he will have catalogs available sometime after August.

FIELD DAY AT RAE

Field Day took a back seat at RAE this year. But there were those hardy individuals who were out there battling the elements. We operated two rigs on a total of four bands. The two stations that did get on the air were the prime responsibility of George, K3VLP, Rick, WA3ISN, and Rick, WA3MKT. A non-ham also had a hand in getting things going. He is Roy Ranowski. Thanks to you four hearty souls. Field Day Chairman, K3NAU, gave the following summary of activity:

80 meters SSB - 332 contacts
40 meters SSB - 64 contacts
20 meters SSB - 100 contacts
15 meters SSB - 70 contacts

Additional operators and/or loggers were: WA3FFD, WA3GUL, WA3HDK, WA3HSR, WA3KAI, WA3MAU, K3NAU, W3PIX, W3STK, W3ZLO, VE3BIU and VE3DZA.

BY LAWS AGAIN

Last Chance to Streamline . . .

The Board of Directors have completed revisions on the bylaws proposal and are having them typed with the changes so that you can vote on them before our regularly scheduled annual meeting which is the third Tuesday in September. That means you will be receiving the document shortly and should plan to attend the September 7 regular meeting to vote on the matter. What we hope to do is to

Continued on page 12

• JULY 1972 •

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2 NETS 6 & 10 MTRS.	3	4 1 1 1 1 INDEPENDENCE DAY	5	6 RAE BUSINESS MEETING	7	8
9 NETS 6 & 10 MTRS.	10	11	12	13 RAE REPEATER MEETING	14	15 ARRL C.D. PARTY "CW"
16 NETS 6 & 10 MTRS. XMITT HUNT	17	18	19	20 V V V NOTE CHANGE	21	22 ARRL C.D. "PARTY" PHONE
23 NETS 6 & 10 MTRS. 30	24 31	25	26	27 August QUA-RAE Deadline	28	29

BYLAWS (continued)

change our operations enough to allow all business to coincide with the calendar year (January 1, to December 31). At the same time, additional section are to be placed in our bylaws to streamline our operation and to make clear the responsibilities of our officers. WE HOPE YOU WILL SUPPORT THIS REVISION. Please read it carefully and bring it and your comments to the September 7 meeting.

THE FINAL FINAL

I finally installed the old printing press and (unless I can't get it to work) this is the first issue printed on it. As of the time I am writing this, I have checked out the feed, but have not put any ink in the thing. I don't really anticipate any major trouble, but one never knows! We've also made arrangements to have the paper typed by a competent typist. (I refuse to go through

this misery again.) More about that next month.

Speaking of next month, look for the QUA-RAE to come out about 10 days late on the 10th or near about. Following that, we should be able to get back on the regular schedule of mailing it on the last weekend of the month.

Next month's QUA-RAE will be an omnibus issue with no particular theme. We've gotten ourselves so confused and bewildered that we can not hope to announce a theme before then. Look for Field Day photos, the regular columns--those that have not fallen by the wayside--and all sorts of "good things." WE INVITE ANYBODY TO SEND IN ARTICLES. They need not be about RAE. We would even like to include a column for each club in the area. So, How 'bout it?? Are you doing ANYTHING AT ALL? Send it in. See UR Name in print."

73 Bob